

WE CLAIM:

1. An extract from leaves of *Toona sinensis*, which is prepared by a process comprising the following steps:
 - (1) extracting the leaves of *Toona sinensis* with water by heating to obtain a first extract; and
 - (2) extracting the water-extracted first extract obtained in step (1) with an alcohol to obtain an alcohol-extracted second extract.
2. An extract from leaves of *Toona sinensis*, which is prepared by a process comprising the following steps:
 - (a) extracting the leaves of *Toona sinensis* with water by heating to obtain an aqueous extract solution;
 - (b) drying the aqueous extract solution obtained in step (a) to obtain a dried first extract;
 - (c) dissolving the first extract obtained in step (b) in an alcohol solvent to form an alcohol extract solution; and
 - (d) removing the alcohol solvent from the alcohol extract solution obtained in step (c) to obtain a dried second extract.
3. The extract from leaves of *Toona sinensis* as claimed in Claim 1, which is adapted for use in the preparation of a medicament for treating ovarian cancer or bladder cancer.
- 25 4. The extract from leaves of *Toona sinensis* as claimed in Claim 2, which is adapted for use in the preparation of a medicament for treating ovarian cancer or bladder

cancer.

5. A process for preparing an extract from leaves of *Toona sinensis*, comprising the following steps:
 - (a) extracting the leaves of *Toona sinensis* with water by heating to obtain an aqueous extract solution;
 - (b) drying the aqueous extract solution obtained in step (a) to obtain a dried first extract;
 - (c) dissolving the first extract obtained in step (b) in an alcohol solvent to form an alcohol extract solution; and
 - (d) removing the alcohol solvent from the alcohol extract solution obtained in step (c) to obtain a dried second extract.
6. The process as claimed in Claim 5, wherein, in step 15 (a), the aqueous extract solution is obtained by boiling down water added with the leaves of *Toona sinensis* to an appropriate amount for subsequent filtering.
7. The process as claimed in Claim 6, wherein filtering is conducted by using an apparatus selected from the group consisting of gauze, cotton wool, a filter sieve with a predetermined mesh, and a combination thereof.
- 20 8. The process as claimed in Claim 5, wherein the drying treatment employed in step (b) is selected from the group consisting of lyophilization, low-temperature spray-drying, low-temperature evaporation, and a combination thereof.
- 25 9. The process as claimed in Claim 8, wherein the drying

treatment employed in step (b) is lyophilization.

10. The process as claimed in Claim 5, wherein step (b) includes the following sub-steps:

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- (i) centrifuging the aqueous extract solution obtained in step (a) to obtain a supernatant and a precipitate; and
- (ii) subjecting the supernatant obtained in step (i) to a drying treatment.

11. The process as claimed in Claim 10, wherein the drying treatment employed in step (ii) is selected from the group consisting of lyophilization, low-temperature spray-drying, low-temperature evaporation, and a combination thereof.

12. The process as claimed in Claim 5, wherein the alcohol employed in step (c) is selected from the group consisting of ethanol, methanol, propanol, isopropanol, n-butanol, isobutanol, and a combination thereof.

13. The process as claimed in Claim 12, wherein the alcohol employed in step (c) is ethanol.

20 14. The process as claimed in Claim 5, wherein the removal of the alcohol solvent in step (d) is performed by using a method selected from the group consisting of lyophilization, evaporation, spray-drying, and a combination thereof.

25 15. The process as claimed in Claim 14, wherein step (d) is carried out by using lyophilization.

16. A pharmaceutical composition, comprising:

- (a) a therapeutically effective amount of an extract from leaves of *Toona sinensis* prepared according to the process of Claim 5; and
 - (b) a pharmaceutically acceptable carrier.
- 5 17. The pharmaceutical composition as claimed in Claim 16, which is adapted for use in the treatment of cancer selected from ovarian cancer and bladder cancer.
18. A pharmaceutical composition for inhibiting growth of a cancer cell selected from the group consisting of
- 10 ovarian cancer cell and bladder cancer cell, comprising:
- (a) a therapeutically effective amount of an extract prepared from leaves of *Toona sinensis* by the process according to Claim 5; and
 - (b) a pharmaceutically acceptable carrier.
- 15 19. A pharmaceutical composition for treating bladder cancer, comprising:
- (a) a therapeutically effective amount of an extract from leaves of *Toona sinensis* selected from any one of:
- 20 (i) an extract from leaves of *Toona sinensis* obtained by extracting leaves of *Toona sinensis* with water;
- 25 (ii) the extract from leaves of *Toona sinensis* according to Claim 1;
- (iii) the extract from leaves of *Toona sinensis* according to Claim 2; and

- (iv) an extract from leaves of *Toona sinensis* prepared by the process according to Claim 5; and
- (b) a pharmaceutically acceptable carrier.